

ABSTRACT OF THE DISCLOSURE

The invention provides a small-sized and low-cost manual input device excellent in operability and multifunctionality, and provides an onboard instrument control device having the abovementioned manual input device. A manual input device is provided with a spherical bearing, a joystick type knob held swingably on the spherical bearing, a rotary knob disposed coaxially with the joystick type knob, a first actuator for loading an external force on the joystick type knob, a second actuator for loading an external force on the rotary knob, a control unit for controlling these first and second actuators, a guide member for defining an operation direction of the joystick type knob, first detection means for detecting an operation state of the joystick type knob, and second detection means for detecting an operation state of the rotary knob. An onboard instrument control device is structured so that the built-in manual input device is contained in a box and the joystick type knob and the rotary knob of the manual input device and push button switches used for instrument selection are disposed on an upper surface of the box.

*See Fig. 2*